Fill in the Blanks — Rearranging Formulae

$x = \cdots$	Function Machine	$y = \cdots$
$x = 2y + a$	$y \to \times 2 \to +a \to x$ $y \leftarrow \div 2 \leftarrow -a \leftarrow x$	$y = \dfrac{x - a}{2}$
$x = y^2 - a$	$y \to SQ \to -a \to x$ $y \leftarrow \sqrt{\ } \leftarrow +a \leftarrow x$	$y = \sqrt{x + a}$
$x = \dfrac{ay}{2}$	$y \to \times a \to \div 2 \to x$ $y \leftarrow \div a \leftarrow \times 2 \leftarrow x$	$y = \dfrac{2x}{a}$
$x = \sqrt{y + b}$	$y \to +b \to \sqrt{\ } \to x$ $y \leftarrow -b \leftarrow SQ \leftarrow x$	$y = x^2 - b$
$x = \dfrac{y}{2} - a$	$y \to \div 2 \to -a \to x$ $y \leftarrow \times 2 \leftarrow +a \leftarrow x$	$y = 2(x + a)$
$x = ay^2 + b$	$y \to SQ \to \times a \to +b \to x$ $y \leftarrow \sqrt{\ } \leftarrow \div a \leftarrow -b \leftarrow x$	$y = \sqrt{\dfrac{x - b}{a}}$
$x = \dfrac{y^2 - 2}{b}$	$y \to SQ \to -2 \to \div b \to x$ $y \leftarrow \sqrt{\ } \leftarrow +2 \leftarrow \times b \leftarrow x$	$y = \sqrt{bx + 2}$
$x = \dfrac{a\sqrt{y}}{b}$	$y \to \sqrt{\ } \to \times a \to \div b \to x$ $y \leftarrow SQ \leftarrow \div a \leftarrow \times b \leftarrow x$	$y = \left(\dfrac{bx}{a}\right)^2$
$x = \dfrac{2y - b}{a}$	$y \to \times 2 \to -b \to \div a \to x$ $y \leftarrow \div 2 \leftarrow +b \leftarrow \times a \leftarrow x$	$y = \dfrac{ax + b}{2}$
$x = 2 + by^2$	$y \to SQ \to \times b \to +2 \to x$ $y \leftarrow \sqrt{\ } \leftarrow \div b \leftarrow -2 \leftarrow x$	$y = \sqrt{\dfrac{x - 2}{b}}$
$x = b\sqrt{y + a}$	$y \to +a \to \sqrt{\ } \to \times b \to x$ $y \leftarrow -a \leftarrow SQ \leftarrow \div b \leftarrow x$	$y = \left(\dfrac{x}{b}\right)^2 - a$